

ATTORNEY DOCKET NO
407274.000008

PATENT
U.S. 09/844,701

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

All claims currently being amended are shown with deleted text struckthrough or double bracketed and new text underlined. Additionally, the status of each claim is indicated in parenthetical expression following the claim number.

Claims 1-9 remain.

Claims 1-9 are being amended.

WHAT IS CLAIMED IS:

1. (Currently Amended) A system for dynamically delivering service applications to a user of a mobile computing device, comprising:
 - a proximity networking server ~~(PNS)~~ having an associated proximity zone, the proximity networking server PNS comprising:
 - an access module for communicating wirelessly within the associated proximity zone,
 - a registry of one or more service applications, each service application having one or more associated graphic user interface GUI components, wherein the graphic user interface GUI components are configured to be executable on a mobile computing device;
 - wherein the proximity networking server PNS is configured to expose said one or more service applications to mobile computing devices within the associated proximity zone
 - a client application executable on a mobile computing device, wherein the client application is operable to establish a wireless connection between the proximity networking server PNS and the mobile computing device when the mobile computing device is located within the proximity zone,

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wherein the client application is configured to retrieve a list of exposed services from the proximity networking server PNS, and
wherein the client application is configured to automatically download and execute the associated graphic user interface GUI component of an exposed service application in response to a request by the user to access said exposed service application, and
wherein the exposed service application is executed on the proximity networking server PNS, but is accessible to the user through the associated graphic user interface GUI component executing on the mobile computing device.

2. (Currently Amended) The system of claim 1, wherein said wireless connection utilizes the universal plug and play UPnP protocol.
3. (Currently Amended) The system of claim 1, wherein the associated graphic user interface GUI component allows the user to utilize the exposed service application by using remote procedure calls sent from the client application to the proximity networking server PNS.
4. (Currently Amended) The system of claim 3, wherein the proximity networking server PNS further comprises a translation module for translating remote procedure calls RPCs received from the client application into the appropriate format for use by the exposed service application, and to translate results from the exposed service application into an output format readable by the associated client graphic user interface GUI component.
5. (Currently Amended) The system of claim 1, wherein all downloaded graphic user interface GUI components are deleted from the mobile computing device when the mobile computing device leave said associated proximity zone.

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6. (Currently Amended) A method for dynamically providing service applications to mobile computing devices in a proximity networking framework, the proximity networking framework comprising: a proximity networking server PNS having an associated proximity zone, the proximity networking server PNS operable to establish a wireless data connection with a mobile computing device located within said associated proximity zone, the method comprising the steps of:

registering a service application with the proximity networking server PNS, referred to hereinafter as registered service application, wherein the step of registering the service application with the proximity networking server PNS further comprises:

registering an execution component of a service application with the proximity networking server PNS, the execution component operable to be executed by the proximity networking server PNS to provide the functionality of the service application,

registering at least one associated graphic user interface GUI component of said registered service application with the proximity networking server PNS, the graphic user interface GUI component configured to be executed by the a mobile computing device to provide a user interface to the execution component, and

exposing said registered service application to said mobile computing device coming into said associated proximity zone, referred to hereinafter as the exposed service application;

providing to said mobile computing device the user interface UI component of the exposed service application;

executing the execution component of the exposed service application on the proximity networking server; and

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permitting the mobile computing device to utilize the ~~executing exposed service~~
application through the graphic user interface GUI component executing
on the mobile computing device MCD.

7. (Currently Amended) The method of claim 6 further comprises
registering an associated access profile of said registered service application with the
proximity networking server PNS, and wherein said associated access profile is used to
determine whether said registered service application should be exposed to said mobile
computing device.

8. (Currently Amended) The method of claim 6 further comprising
retrieving information about mobile computing device MCD of the user of the mobile
computing device MCD, referred to hereinafter as retrieved information and using said
retrieved information to determine whether said registered service application should be
exposed to said mobile computing device.

9. (Currently Amended) The method of claim 6 further comprising
retrieving information about mobile computing device MCD of the user of the mobile
computing device MCD, referred to hereinafter as retrieved information and using said
retrieved information to customize said exposed service application to said mobile
computing device.

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